

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

**MONITORING AND REPORTING PROGRAM NO. 2010-(TENTATIVE)
WDID NO. 6A188505700**

FOR

**U.S. FOREST SERVICE — LASSEN NATIONAL FOREST
EAGLE LAKE WASTEWATER FACILITY**

Lassen County

I. GENERAL REQUIREMENTS

A. Effective date

This monitoring and reporting program (MRP) is effective on the date of adoption, or as amended by the Executive Officer.

B. Overview of Reports Required

The Discharger must provide each year, two semi-annual monitoring reports. The monitoring period covered for each report and the dates the reports are due are provided in section III, below. Each report must provide information on general operations, evaporation pond and vadose zone water quality, and other required information as specified herein. In addition, a one-time report is required concerning sludge management plans to be followed.

C. Certified Cover Letter

The Discharger must use Attachment 1 as a cover letter, or a cover letter containing the same information, and certification for all reports provided to the Water Board.

D. General Provisions

The Discharger must comply with the "General Provisions for Monitoring and Reporting" dated September 1, 1994, which is made part of this Monitoring and Reporting Program as Attachment 2.

II. MONITORING

The Discharger must monitor the following and present the monitoring information in the semi-annual reports.

A. General Monitoring

1. The total volume, in million gallons, of wastewater flow to the Facility during each month.

2. Measure the freeboard (distance from the top of the lowest part of the dike to the wastewater surface in the pond) for each surface impoundment every month. The pond freeboard measurements are not required if the ponds cannot be accessed due to winter conditions and the ponds are not receiving wastewater. (Reporting must include conditions that prevent access to the ponds and must state time periods that the ponds are not accessible and describe conditions that prevent access to the ponds.) If a surface impoundment does not contain water, reports must indicate that it is empty.
3. Visually inspect the condition of each evaporation pond each month. Any holes, tears, or other liner problems must be noted. The monthly pond inspection is not required if ponds cannot be accessed due to winter conditions and the ponds are not receiving wastewater. (Monitoring must include conditions that prevent access to the ponds and semi-annual reports must state time periods and conditions that prevent access.)
4. Information on the calibration results for any flow meters or other equipment required for maintaining compliance with requirements.

B. Pond Monitoring

Samples must be collected and analyzed in accordance with the following:

1. Grab sample of effluent from primary pond 2 that is discharged to the evaporation ponds.
2. Grab sample of wastewater flowing at gate valve between evaporation ponds No. 1 and No. 2.
3. Samples must be collected in June, August and October and analyzed for the following constituents:

<u>Constituent</u>	<u>Units</u>	<u>Detection Levels</u>
Total Nitrogen	mg/l	0.1 mg/l
Total Dissolved Solids	mg/l	200 mg/l
Chloride	mg/l	1 mg/l
Ph ¹	pH units	N/A
Electrical Conductivity ¹	µmho/cm	300 µmho/cm

¹ The pH and Electrical Conductivity measurements may be done in the Field with a hand held meter calibrated per manufacturer specification.

C. Vadose Zone Monitoring

Water samples must be collected from the three lysimeters around evaporation pond Nos. 1 and 2 and the four pond underdrain monitoring wells under the second primary pond and evaporation pond No. 3. The samples must be collected in June, August and October of each year and analyzed for the constituents listed below.

<u>Constituent</u>	<u>Units</u>	<u>Detection Limit</u>
Total Nitrogen	mg/l	0.1 mg/l
Total Dissolved Solids	mg/l	10 mg/l
Chloride	mg/l	0.5 mg/l

D. Sludge Monitoring

The Discharger must monitor the following:

1. Any deviations from the Sludge Management Plan (see section III.B., below).
2. Total quantity of sludge generated (cleaned from any ponds) during the monitoring period.
3. Date and quantity of any sludge landfilled or moved offsite, recipient (including name and address), location of receiving area, and sludge disposal method (including crops grown, if applicable).
4. Cumulative total quantity of sludge currently stockpiled onsite, including the quantity of sludge added to the stockpile during the monitoring period.
5. For sewage sludge removed from ponds, stockpiled onsite, or taken offsite during the previous month, a representative composite sample must be collected and analyzed for the following constituents:
 - a. total kjeldahl nitrogen as N
 - b. ammonia nitrogen as N
 - c. nitrate nitrogen as N
 - d. total phosphate as P
 - e. organic and inorganic persistent and bioaccumulative toxic substance listed in Section 66261.24, subsections (a)(2)(A) and

(a)(2)(B), of title 22, Division 4.5, Chapter 11, Article 3 of the California Code of Regulations. The Discharger must make a determination whether the presence of these constituents in excess of these levels indicates the sludge must be considered and managed as a hazardous material.

III. REPORTING

- A. The Discharger must submit two Semi Annual Monitoring Reports per year. The reports are due on August 15 and February 15 of each year. The August 15 report must include monitoring information for the period from February 1 to July 31. The February 15 report must include monitoring information for the period from August 1 to January 31.
- B. The Discharger must provide a Sludge Management Plan report by **March 30, 2011**. The plan must describe the sludge management, handling, and treatment processes, including all areas expected to be used in sludge management prior to final disposal offsite; control measures for leachate or free liquid retention and odors; primary pond liner maintenance considerations; and time frames for final sludge removal actions. The Plan must include a sludge sampling protocol for the analyses required in section II.D., above.

Ordered By _____

HAROLD J. SINGER
EXECUTIVE OFFICER

Date _____

Attachments:

1. Certified Cover Letter
2. General Provisions for Monitoring and Reporting

b) Section(s) of WDRs/NPDES

Permit Violated:

c) Reported Value(s) or Volume:

d) WDRs/NPDES

Limit/Condition:

e) Date(s) and Duration of Violation(s):

f) Explanation of Cause(s):

g) Corrective Action(s)

(Specify actions taken and a schedule for actions to be taken)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision following a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my knowledge of the person(s) who manage the system, or those directly responsible for data gathering, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

If you have any questions or require additional information, please contact _____ at the number provided above.

Sincerely,

Signature: _____

Name: _____

Title: _____

ATTACHMENT 2

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD LAHONTAN REGION

GENERAL PROVISIONS FOR MONITORING AND REPORTING

1. **SAMPLING AND ANALYSIS**

- a. All analyses shall be performed in accordance with the current edition(s) of the following documents:
 - i. Standard Methods for the Examination of Water and Wastewater
 - ii. Methods for Chemical Analysis of Water and Wastes, EPA
- b. All analyses shall be performed in a laboratory certified to perform such analyses by the California State Department of Health Services or a laboratory approved by the Regional Board Executive Officer. Specific methods of analysis must be identified on each laboratory report.
- c. Any modifications to the above methods to eliminate known interferences shall be reported with the sample results. The methods used shall also be reported. If methods other than EPA-approved methods or Standard Methods are used, the exact methodology must be submitted for review and must be approved by the Regional Board prior to use.
- d. The Discharger shall establish chain-of-custody procedures to insure that specific individuals are responsible for sample integrity from commencement of sample collection through delivery to an approved laboratory. Sample collection, storage, and analysis shall be conducted in accordance with an approved Sampling and Analysis Plan (SAP). The most recent version of the approved SAP shall be kept at the facility.
- e. The Discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to ensure accuracy of measurements, or shall insure that both activities will be conducted. The calibration of any wastewater flow measuring device shall be recorded and maintained in the permanent log book described in 2.b, below.
- f. A grab sample is defined as an individual sample collected in fewer than 15 minutes.
- g. A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period at equal intervals. The volume of each individual sample shall be proportional to the discharge flow rate at the time of sampling. The sampling period shall equal

the discharge period, or 24 hours, whichever period is shorter.

2. OPERATIONAL REQUIREMENTS

a. Sample Results

Pursuant to California Water Code Section 13267(b), the Discharger shall maintain all sampling and analytical results including: strip charts; date, exact place, and time of sampling; date analyses were performed; sample collector's name; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge, or when requested by the Regional Board.

b. Operational Log

Pursuant to California Water Code Section 13267(b), an operation and maintenance log shall be maintained at the facility. All monitoring and reporting data shall be recorded in a permanent log book.

3. REPORTING

- a. For every item where the requirements are not met, the Discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time, and shall submit a timetable for correction.
- b. Pursuant to California Water Code Section 13267(b), all sampling and analytical results shall be made available to the Regional Board upon request. Results shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge, or when requested by the Regional Board.
- c. The Discharger shall provide a brief summary of any operational problems and maintenance activities to the Board with each monitoring report. Any modifications or additions to, or any major maintenance conducted on, or any major problems occurring to the wastewater conveyance system, treatment facilities, or disposal facilities shall be included in this summary.
- d. Monitoring reports shall be signed by:
 - i. In the case of a corporation, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates;
 - ii. In the case of a partnership, by a general partner;

- iii. In the case of a sole proprietorship, by the proprietor; or
 - iv. In the case of a municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.
- e. Monitoring reports are to include the following:
- i. Name and telephone number of individual who can answer questions about the report.
 - ii. The Monitoring and Reporting Program Number.
 - iii. WDID Number.
- f. Modifications

This Monitoring and Reporting Program may be modified at the discretion of the Regional Board Executive Officer.

4. NONCOMPLIANCE

Under Section 13268 of the Water Code, any person failing or refusing to furnish technical or monitoring reports, or falsifying any information provided therein, is guilty of a misdemeanor and may be liable civilly in an amount of up to one thousand dollars (\$1,000) for each day of violation under Section 13268 of the Water Code.